

STN SEARCH UPDATED ON:12/13/2006

=> INDEX BIOSCIENCE

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 10:21:25 ON 16 MAR 2006

L3 QUE YEAST OR SACCHAROMYCES? OR ("S. CARLSBERGENSIS") OR ("S.CEREVISIAE") OR (SACCHAROMYCES CEREVISIAE) OR (SACCHAROMYCES CARLSBERGENSIS)

70 FILES HAVE ONE OR MORE ANSWERS

L4 QUE (HAWTHORN OR JUJUBE) (5A) (JUICE OR EXTRACT)

40 FILES HAVE ONE OR MORE ANSWERS

L5 QUE (ELECTROMAGNETIC (5A) (FIELD OR WAVE)) OR EMF, 50 FILES HAVE ONE OR MORE ANSWERS

L6 QUE GROW OR TREAT OR CULTIVATE OR CULTURE OR EXPOS? , 70 FILES HAVE ONE OR MORE ANSWERS

L7 QUE L3 AND L6 66 FILES HAVE ONE OR MORE ANSWERS

L8 QUE L4 AND L7 9 FILES HAVE ONE OR MORE ANSWERS

L9 QUE L7 AND L5, 19 FILES HAVE ONE OR MORE ANSWERS

L10 QUE L8 AND L9 ,3 FILES HAVE ONE OR MORE ANSWERS

F1 23 USPATFULL

F2 10 USPAT2

F3 1 IFIPAT

=> file f1, f2, f3

L11 34 L10

L12 23 DUP REM L11 (11 DUPLICATES REMOVED)

L12 ANSWER 1 OF 23 USPATFULL on STN

AB Compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by their ability to treat gastroparesis in a subject (e.g., stimulating stomach contraction, reducing abnormal gastric acid and/or pepsin production), as a result of having been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength. Also included are methods of making and using such compositions.

AN 2006:33847 USPATFULL

TI Methods and compositions for treating gastroparesis

IN Cheung, Ling Yuk, Tai Po Industrial Estate, HONG KONG

PA Ultra Biotech Limited (non-U.S. corporation)

PI US 2006029614 A1 20060209

AI US 2005-239736 A1 20050929 (11)

RLI Division of Ser. No. US 2003-717132, filed on 18 Nov 2003, GRANTED, Pat. No. US 6979562

DT Utility

FS APPLICATION

LREP FISH & NEAVE IP GROUP, ROPES & GRAY LLP, 1251 AVENUE OF THE AMERICAS FL C3, NEW YORK, NY, 10020-1105, US

CLMN Number of Claims: 10

ECL Exemplary Claim: 1-4

DRWN 3 Drawing Page(s)

LN.CNT 741

L12 ANSWER 2 OF 23 USPATFULL on STN DUPLICATE 1

AB The invention provides compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by their ability to normalize the level of serum glutamate-pyruvate Transaminase (GPT), or reduce serum HBsAg levels in a subject, said ability resulting from their having been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength. Also provided are methods of making and using these compositions.

AN 2005:123785 USPATFULL

TI METHODS AND COMPOSITIONS FOR TREATING HEPATITIS B

IN Cheung, Ling Yuk, Hong Kong, HONG KONG

PI US 2005106174 A1 20050519

US 6913914 B2 20050705

AI US 2003-717272 A1 20031118 (10)

DT Utility

FS APPLICATION

LREP FISH & NEAVE IP GROUP, ROPES & GRAY LLP, 1251 AVENUE OF THE AMERICAS FL

SEARCHED BY: KAILASH C. SRIVASTAVA

STN SEARCH UPDATED ON:12/13/2006

C3, NEW YORK, NY, 10020-1105, US
CLMN Number of Claims: 10
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 741

L12 ANSWER 3 OF 23 USPATFULL on STN DUPLICATE 2

AB The invention provides compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by their ability to ameliorate or prevent gastritis in a mammal, said ability resulting from their having been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength. Also provided are methods of making and using these compositions.

AN 2005:123783 USPATFULL

TI Methods and compositions for treating gastritis

IN Cheung, Ling Yuk, Hong Kong, HONG KONG

PI US 2005106172 A1 20050519

US 6964864 B2 20051115

AI US 2003-717143 A1 20031118 (10)

DT Utility

FS APPLICATION

LREP WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP, 1250 CONNECTICUT AVENUE, NW,
SUITE 700, WASHINGTON, DC, 20036, US

CLMN Number of Claims: 10

ECL Exemplary Claim: 1

DRWN 2 Drawing Page(s)

LN.CNT 844

L12 ANSWER 4 OF 23 USPATFULL on STN DUPLICATE 3

AB Compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by their ability to ameliorate renal failure (e.g., improved diuretic effect and/or lowering blood urea nitrogen, proteinuria, and/or serum creatinine levels) in a subject as a result of having been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength. Also included are methods of making and using such compositions.

AN 2005:123780 USPATFULL

TI METHODS AND COMPOSITIONS FOR TREATING RENAL FAILURE

IN Cheung, Ling Yuk, Hong Kong, HONG KONG

PI US 2005106169 A1 20050519

US 6913913 B2 20050705

AI US 2003-717135 A1 20031118 (10)

DT Utility

FS APPLICATION

LREP FISH & NEAVE IP GROUP, ROPES & GRAY LLP, 1251 AVENUE OF THE AMERICAS FL
C3, NEW YORK, NY, 10020-1105, US

CLMN Number of Claims: 11

ECL Exemplary Claim: 1

DRWN 2 Drawing Page(s)

LN.CNT 749

L12 ANSWER 5 OF 23 USPATFULL on STN DUPLICATE 4

AB Compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by their ability to treat nephrotic syndrome (e.g., lower urinary protein and increase serum protein) in a subject as a result of having been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength. Also included are methods of making and using such compositions.

AN 2005:123779 USPATFULL

TI Methods and compositions for treating nephrotic syndrome

IN Cheung, Ling Yuk, New Territories, HONG KONG

PI US 2005106168 A1 20050519

US 6977168 B2 20051220

AI US 2003-717133 A1 20031118 (10)

STN SEARCH UPDATED ON:12/13/2006

DT Utility
FS APPLICATION
LREP FISH & NEAVE IP GROUP, ROPES & GRAY LLP, 1251 AVENUE OF THE AMERICAS FL
C3, NEW YORK, NY, 10020-1105, US
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 737

L12 ANSWER 6 OF 23 USPATFULL on STN DUPLICATE 5

AB Compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by their ability to treat gastroparesis in a subject (e.g., stimulating stomach contraction, reducing abnormal gastric acid and/or pepsin production), as a result of having been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength. Also included are methods of making and using such compositions.

AN 2005:123778 USPATFULL

TI Methods and compositions for treating gastroparesis

IN Cheung, Ling Yuk, New Territories, HONG KONG

PI US 2005106167 A1 20050519

US 6979562 B2 20051227

AI US 2003-717132 A1 20031118 (10)

DT Utility

FS APPLICATION

LREP FISH & NEAVE IP GROUP, ROPES & GRAY LLP, 1251 AVENUE OF THE AMERICAS FL

C3, NEW YORK, NY, 10020-1105, US

CLMN Number of Claims: 12

ECL Exemplary Claim: 1

DRWN 3 Drawing Page(s)

LN.CNT 754

L12 ANSWER 7 OF 23 USPATFULL on STN

AB Compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by their ability to treat hyperlipemia (e.g., regulate triglyceride and/or cholesterol levels) in a subject as a result of having been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength. Also included are methods of making and using such compositions.

AN 2005:124315 USPATFULL

TI Methods and compositions for treating hyperlipemia

IN Cheung, Ling Yuk, New Territories, HONG KONG

PI US 2005106705 A1 20050519

AI US 2003-717275 A1 20031118 (10)

DT Utility

FS APPLICATION

LREP FISH & NEAVE IP GROUP, ROPES & GRAY LLP, 1251 AVENUE OF THE AMERICAS FL

C3, NEW YORK, NY, 10020-1105, US

CLMN Number of Claims: 11

ECL Exemplary Claim: 1

DRWN 2 Drawing Page(s)

LN.CNT 781

L12 ANSWER 8 OF 23 USPATFULL on STN

AB Compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by their ability to treat lupus erythematosus in a subject as a result of having been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength. Also included are methods of making and using such compositions.

AN 2005:124314 USPATFULL

TI Methods and compositions for treating lupus erythematosus

IN Cheung, Ling Yuk, Hong Kong, HONG KONG

PI US 2005106704 A1 20050519

AI US 2003-717134 A1 20031118 (10)

SEARCHED BY: KAILASH C. SRIVASTAVA

STN SEARCH UPDATED ON:12/13/2006

DT Utility
FS APPLICATION
LREP FISH & NEAVE IP GROUP, ROPES & GRAY LLP, 1251 AVENUE OF THE AMERICAS FL
C3, NEW YORK, NY, 10020-1105, US
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 694

L12 ANSWER 9 OF 23 USPATFULL on STN

AB The invention provides compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by their ability to increase secretion of male hormones or alleviate or prevent sexual disorders, e.g., impotence, in a mammal, said ability resulting from their having been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength. Also provided are methods of making and using these compositions.

AN 2005:123784 USPATFULL
TI METHODS AND COMPOSITIONS FOR TREATING MALE SEXUAL DYSFUNCTION
IN Cheung, Ling Yuk, Hong Kong, HONG KONG
PI US 2005106173 A1 20050519
AI US 2003-717158 A1 20031118 (10)
DT Utility
FS APPLICATION
LREP FISH & NEAVE IP GROUP, ROPES & GRAY LLP, 1251 AVENUE OF THE AMERICAS FL
C3, NEW YORK, NY, 10020-1105, US
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 772

L12 ANSWER 10 OF 23 USPATFULL on STN

AB Compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells have been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength for a period of time sufficient to increase the capability of said plurality of yeast cells to treat epilepsy. Also included are methods of making such compositions and methods of treating epilepsy.

AN 2005:123782 USPATFULL
TI METHODS AND COMPOSITIONS FOR TREATING EPILEPSY
IN Cheung, Ling Yuk, New Territories, HONG KONG
PI US 2005106171 A1 20050519
AI US 2003-717137 A1 20031118 (10)
DT Utility
FS APPLICATION
LREP FISH & NEAVE IP GROUP, ROPES & GRAY LLP, 1251 AVENUE OF THE AMERICAS FL
C3, NEW YORK, NY, 10020-1105, US
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 751

L12 ANSWER 11 OF 23 USPATFULL on STN

AB Compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells have been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength for a period of time sufficient to increase the capability of said plurality of yeast cells to treat vascular dementia in a mammal. Also included are methods of making such compositions and methods of treating vascular dementia.

AN 2005:123781 USPATFULL
TI Methods and compositions for treating vascular dementia
IN Cheung, Ling Yuk, New Territories, HONG KONG
PI US 2005106170 A1 20050519
AI US 2003-717136 A1 20031118 (10)

SEARCHED BY: KAILASH C. SRIVASTAVA

DT Utility
FS APPLICATION
LREP FISH & NEAVE IP GROUP, ROPES & GRAY LLP, 1251 AVENUE OF THE AMERICAS FL
C3, NEW YORK, NY, 10020-1105, US
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 782

L12 ANSWER 12 OF 23 USPATFULL on STN

AB The invention provides compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by their ability to decrease liver collagen level or formation of liver fibrous tissue or to normalize serum .gamma.-globulin level, and therefore are useful for ameliorating and/or preventing liver cirrhosis in a subject, said ability resulting from their having been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength. Also provided are methods of making and using these compositions.

AN 2005:123777 USPATFULL

TI Methods and compositions for treating liver cirrhosis

IN Cheung, Ling Yuk, New Territories, HONG KONG

PI US 2005106166 A1 20050519

AI US 2003-717008 A1 20031118 (10)

DT Utility

FS APPLICATION

LREP FISH & NEAVE IP GROUP, ROPES & GRAY LLP, 1251 AVENUE OF THE AMERICAS FL
C3, NEW YORK, NY, 10020-1105, US

CLMN Number of Claims: 10

ECL Exemplary Claim: 1

DRWN 2 Drawing Page(s)

LN.CNT 794

L12 ANSWER 13 OF 23 USPATFULL on STN DUPLICATE 6

AB Compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by their ability to improve kidney functions (e.g., restoring urine secretion and/or lowering blood urea nitrogen, serum proteinuria, and/or serum creatinine levels) in a subject as a result of having been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength. Also included are methods of making such compositions.

AN 2004:7104 USPATFULL

TI Dietary supplements for improving kidney function

IN Cheung, Ling Yuk, Hong Kong, HONG KONG

PI US 2004005337 A1 20040108

US 6759055 B2 20040706

AI US 2002-187109 A1 20020628 (10)

DT Utility

FS APPLICATION

LREP FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR, NEW YORK, NY,
10020-1105

CLMN Number of Claims: 9

ECL Exemplary Claim: 1

DRWN 2 Drawing Page(s)

LN.CNT 782

L12 ANSWER 14 OF 23 USPATFULL on STN DUPLICATE 7

AB Compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells have been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength for a period of time sufficient to increase the capability of said plurality of yeast cells to improve the memory of a mammal. Also included are methods of making such compositions.

AN 2004:1842 USPATFULL

TI Dietary supplements for improving memory

STN SEARCH UPDATED ON:12/13/2006

IN Cheung, Ling Yuk, Hong Kong, HONG KONG
PI US 2004001861 A1 20040101
US 6756050 B2 20040629
AI US 2002-187469 A1 20020628 (10)
DT Utility
FS APPLICATION
LREP FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR, NEW YORK, NY,
10020-1105
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 665

L12 ANSWER 15 OF 23 USPATFULL on STN DUPLICATE 8

AB Compositions comprising a plurality of yeast cells, wherein
said plurality of yeast cells are characterized by their
ability to enhance the immune system (e.g., increase the activity of T
and B lymphocytes and natural killer cells) in a mammal, said ability
resulting from their having been cultured in the presence of an
alternating electric field having a specific frequency and a specific
field strength. Also included are methods of making and using these
compositions.

AN 2004:1841 USPATFULL
TI Dietary supplements for enhancing the immune system
IN Cheung, Ling Yuk, Hong Kong, HONG KONG
PI US 2004001860 A1 20040101
US 6793933 B2 20040921
AI US 2002-187141 A1 20020628 (10)
DT Utility
FS APPLICATION
LREP FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR, NEW YORK, NY,
10020-1105
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 722

L12 ANSWER 16 OF 23 USPATFULL on STN DUPLICATE 9

AB Compositions comprising a plurality of yeast cells, wherein
said plurality of yeast cells are characterized by their
ability to normalize the serum level of GPT, AP and/or LDH-5 in a
mammal, said ability resulting from their having been cultured in the
presence of an alternating electric field having a specific frequency
and a specific field strength. Also included are methods of making and
using these compositions.

AN 2004:1839 USPATFULL
TI Dietary supplements beneficial for the liver
IN Cheung, Ling Yuk, Hong Kong, HONG KONG
PI US 2004001858 A1 20040101
US 6753008 B2 20040622
AI US 2002-187112 A1 20020628 (10)
DT Utility
FS APPLICATION
LREP FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR, NEW YORK, NY,
10020-1105
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 747

L12 ANSWER 17 OF 23 USPATFULL on STN DUPLICATE 10

AB Compositions comprising a plurality of yeast cells, wherein
said plurality of yeast cells are characterized by their
ability to treat male hormone deficiency in a subject as a
result of having been cultured in the presence of an alternating
electric field having a specific frequency and a specific field
strength. Also included are methods of making such compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2004:1796 USPATFULL
TI DIETARY SUPPLEMENTS FOR REGULATING MALE HORMONE
IN Cheung, Ling Yuk, Hong Kong, HONG KONG
PI US 2004001815 A1 20040101
US 6709849 B2 20040323
AI US 2002-187113 A1 20020628 (10)
DT Utility
FS APPLICATION
LREP FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR, NEW YORK, NY,
10020-1105
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 768

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 18 OF 23 USPATFULL on STN DUPLICATE 11
AB The present invention relates to feed additives for ducks. The invention provides methods for making a biological compositions comprising yeast cells that can improve the immune functions of ducks. The invention also relates to methods for manufacturing the biological compositions, and methods of using the biological compositions as feed additives.

AN 2004:1793 USPATFULL
TI Feed additives for ducks
IN Cheung, Ling Yuk, Hong Kong, HONG KONG
PI US 2004001812 A1 20040101
AI US 2002-175051 A1 20020618 (10)
DT Utility
FS APPLICATION
LREP PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN 1 Drawing Page(s)
LN.CNT 1390

L12 ANSWER 19 OF 23 USPATFULL on STN
AB Compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells have been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength for a period of time sufficient to increase the capability of said plurality of yeast cells to regulate the central nervous system. Also included are methods of making such compositions.

AN 2004:7103 USPATFULL
TI Dietary supplements for regulating the central nervous system
IN Cheung, Ling Yuk, Hong Kong, HONG KONG
PI US 2004005336 A1 20040108
AI US 2002-186505 A1 20020628 (10)
DT Utility
FS APPLICATION
LREP FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR, NEW YORK, NY,
10020-1105
CLMN Number of Claims: 10
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 738

L12 ANSWER 20 OF 23 USPATFULL on STN
AB Compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells have been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength for a period of time sufficient to increase the capability of said plurality of yeast cells to have an anti-aging effect. Also included are methods of making such compositions.

AN 2004:1840 USPATFULL
TI Anti-aging dietary supplements
IN Cheung, Ling Yuk, Hong Kong, HONG KONG
PI US 2004001859 A1 20040101
AI US 2002-187114 A1 20020628 (10)
DT Utility
FS APPLICATION
LREP FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR, NEW YORK, NY,
10020-1105
CLMN Number of Claims: 11
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 814

L12 ANSWER 21 OF 23 USPATFULL on STN

AB Compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by their ability to treat hypertension (e.g., lower blood pressure) in a subject (e.g., a mammal) as a result of having been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength. Also included are methods of making and using such compositions.

AN 2004:1838 USPATFULL
TI Dietary supplements for treating hypertension
IN Cheung, Ling Yuk, Hong Kong, HONG KONG
PI US 2004001857 A1 20040101
AI US 2002-186504 A1 20020628 (10)
DT Utility
FS APPLICATION
LREP FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR, NEW YORK, NY,
10020-1105
CLMN Number of Claims: 10
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 723

L12 ANSWER 22 OF 23 USPATFULL on STN

AB Compositions comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by their ability to treat hyperlipemia (e.g., regulate triglyceride and/or beta-lipoprotein levels) in a subject as a result of having been cultured in the presence of an alternating electric field having a specific frequency and a specific field strength. Also included are methods of making such compositions.

AN 2003:321430 USPATFULL
TI Dietary supplements for treating hyperlipemia
IN Cheung, Ling Yuk, Hong Kong, HONG KONG
PA Ultra Biotech Limited, Douglas, UNITED KINGDOM (non-U.S. corporation)
PI US 6660508 B1 20031209
AI US 2002-187108 20020628 (10)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Tate, Christopher R.; Assistant Examiner: Winston, Randall
LREP Fish & Neave, Haley, Jr., James F., Li, Z. Ting
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 752
HAVE ONE OR MORE ANSWERS